



RATINGS CHART – COMMERCIAL BASEBOARD

MULTI/PAK 80



Model Number	Element Type	Tube Size and Material	Fin Size and Material	Fins per Foot	Water Flow	Pressure Drop†	Steam 1 PSI‡ Btu/Hr. Per Foot	HOT WATER RATINGS BTU/HR./FT. with 65°F entering air											
								110°F	120°F	130°F	140°F	150°F	160°F	170°F	180°F	190°F	200°F	210°F	220°F
								81 A	H-1	3/4" copper	3 x 3 1/4" x .024" aluminum	48	1 GPM 4 GPM	47 525	—	210* 230*	290* 300*	360* 380*	440* 460*
83-A2	H-3	3/4" copper	2 3/4" x 2 1/2" x .011" aluminum	55	1 GPM 4 GPM	47 525	—	200* 210*	270* 290*	340* 360*	410* 440*	490 520	570 600	650 690	730 770	810 860	890 940	970 1030	1050 1110
84-A3	H-4	1" copper	3" x 2 1/2" x .011" aluminum	48	1 GPM 4 GPM	13 145	—	180* 190*	240* 260*	300* 320*	370* 390*	440 470	520 550	590 620	660 700	730 770	810 860	880 930	950 1000
85-AX	H-5X	1 1/4" copper	3" x 3 1/4" x .020" aluminum	48	1 GPM 4 GPM	6 63	1130	190* 200*	260* 270*	320* 340*	390* 410*	470 500	560 590	650 690	740 780	830 890	920 970	1010 1070	1100 1160
86-AX	H-6X	1 1/4" IPS steel	3" x 3 1/4" x .028" aluminized steel	48	1 GPM 4 GPM	3 41	990	— —	— —	— —	— —	380 400	450 480	520 550	590 620	660 700	730 770	800 850	870 920

† Millinches per foot. *Ratings at 140°F and lower temperatures determined by multiplying 150°F rating by the applicable factor specified in Table E in the I=B=R Testing and Rating Standard for Baseboard radiation.

‡ With 65°F entering air.

NOTE: Ratings are for element installed as per drawing shown in "Dimensional Data" window (open "Dimensional Data" window to view) with damper open, with expansion cradles. Ratings are based on active finned length (5" to 6" less than overall length) and include 15% heating effect factor.

Ratings are also based on:

81-A: 3/4" nominal copper tubing with 3" x 3-1/4" x .024" aluminum fins spaced 48 per linear foot (unpainted);

83-A2: 3/4" nominal copper tubing with 2-3/4" x 2-1/2" x .011" aluminum fins spaced 55 per linear foot (unpainted);

84-A3: 1" nominal copper tubing with 3" x 2-1/2" x .011" aluminum fins spaced 48 per linear foot (unpainted);

85-AX: 1-1/4" nominal copper tubing with 3" x 3-1/4" x .020" aluminum fins spaced 48 per linear foot (unpainted);

86-AX: 1-1/4" IPS steel with 3" x 3-1/4" x .028" aluminized steel fins spaced 48 per linear foot (unpainted);

Use 4 gpm ratings only when flow is known to be equal to or greater than 4 gpm; otherwise, 1 gpm ratings must be used.

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